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	Application No.	Applicant(s)	_
Notice of Allowability	10/086,074	KUWABARA, TETSUO	
	Examiner	Art Unit	-
	Ngoc-Yen M. Nguyen	1754	
The MAILING DATE of this communication appeal all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED in to or other appropriate communication is sub- IGHTS. This application is sub-	nis application. If not included cation will be mailed in due course. THIS	
1. This communication is responsive to <u>March 14, 2005</u> .			
2. ☑ The allowed claim(s) is/are <u>24-29</u> .			
3. 🛱 The drawings filed on $2/2$ 1 are accepted by the Examine	r.		
 4. Acknowledgment is made of a claim for foreign priority unas a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Application	No	
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a MENT of this application.	reply complying with the requirements	
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 	itted. Note the attached EXAM es reason(s) why the oath or d	INER'S AMENDMENT or NOTICE OF eclaration is deficient.	
6. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date. Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in to 7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	son's Patent Drawing Review (s Amendment / Comment or in .84(c)) should be written on the he header according to 37 CFR sit of BIOLOGICAL MATER	the Office action of drawings in the front (not the back) of 1.121(d). IAL must be submitted. Note the	
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ⊠ Interview Sum Paper No./Ma 8), 7. ⊠ Examiner's An	ail Datè ´	
		Ngoc-Yen M. Nguyen Primary Examiner Art Unit: 1754	

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with Mr. Joseph Eng on June 10, 2005.

The application has been amended as follows:

In the specification: page 1, line 7, delete "calcium fluorite" and insert –calcium

fluoride--; page 10, line 4, delete "BREIF" and insert -BRIEF--; page 17, line 5, delete

"320" and insert -310--; page 18, last line, delete "302" and insert -304--.

In the claims:

Claim 24 (currently amended): A method of manufacturing a calcium fluoride crystal.

said method comprising:

mixing a raw material of calcium fluoride and a scavenger at a predetermined

proportion to obtain a first mixture;

fusing refining the first mixture in a crucible to remove impurities refine the raw

material of calcium fluoride; and

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mixing the refined calcium fluoride and a scavenger at a predetermined proportion, to obtain a second mixture; and

fusing the second <u>refined</u> mixture in a crucible to cause growth of calcium fluoride crystal <u>having a transition density in the crystal that is not greater than 1 x</u> $\frac{10^5}{\text{cm}^2}$, and a dispersion of transition density inside an effective portion of the crystal in a range of $\pm 5 \times 10^4/\text{cm}^2$;

wherein said method includes a baking process before fusing refining the first mixture or a baking process after fusing refining the first mixture but before formation and fusing of the second refined mixture or both, wherein said baking process is carried out as a separate process before from the refining process and the growth fusing process, by using a porous baking crucible different from the refining crucible and the fusing growth crucible.

Claim 26 (currently amended): The method of manufacturing a calcium fluoride crystal according to claim 24, wherein the first mixture contains a scavenger of 0.0005 to 0.05 mol% is added to the fusing step.

The following is an examiner's statement of reasons for allowance: the prior art does not teach or disclose a process for producing calcium fluoride which includes at least one baking step to remove moisture before or after the refining step.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ngoc-Yen M. Nguyen whose telephone number is (571) 272-1356. The examiner is currently on Part time schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Stan Silverman can be reached on (571) 272-1358. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed (571) 272-1700.

> Mgoz. yen songe Ngoc-Yen M. Nguyen Primary Examiner Art Unit 1754

nmn June 10, 2005